

ASBESTOS ASSES. SURVEY

el-K Building #: 10
Project Number: 0980193E
Project: G. HEILEMAN BREWERY "E"
Date Inspected: 03/29/89
Inspector: TIM SWARTZ

Building Number: 10/11/12/23
Building Name: SHOP/STORAGE & RECEIVING
SEATTLE, WASHINGTON 98134
Building Type: SHOPS
Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: Ground Level-Part 11	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	40 ft. 6 in.	O.D.	HPS/R	26	III	\$519	\$324	\$843
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	30 ft. 8 in.	O.D.	HPS/R	26	III	\$424	\$303	\$727
SW & central areas-south wall-at ceiling	00-356607	60%	pipe covering	OMA	90 ft. 4 in.	O.D.	HPS/R	26	III	\$803	\$502	\$1,305
south wall & center of room-near ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	50 ft. 6 in.	O.D.	DW	26	III	\$649	\$405	\$1,054
east center area-at ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	50 ft. 4 in.	O.D.	DW	26	III	\$446	\$279	\$725
south wall & center of room-near ceiling	00-356684	10%	wrapped cardboard/paper pipe	OMA	5 ft. 4 in.	O.D.	DW	26	III	\$45	\$28	\$73
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	12 4 in.	O.D.	HPS/R	26	III	\$337	\$187	\$524
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	6 8 in.	O.D.	HPS/R	26	III	\$289	\$170	\$459
SW & central areas-south wall-at ceiling	01-356681	30%	mjp on pipe covering	OMA	8 6 in.	O.D.	HPS/R	26	III	\$309	\$182	\$491
	01-356682	35%						26	III			
	01-356683	40%						26	III			
east center area-at ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	6 4 in.	O.D.	DW	26	III	\$169	\$94	\$263
south wall & center of room-near ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	3 6 in.	O.D.	DW	26	III	\$116	\$68	\$184
south wall & center of room-near ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	1 4 in.	O.D.	DW	26	III	\$28	\$16	\$44
	02-356686	45%						26	III			
	02-356687	45%						26	III			
against east wall	03-356688	10%	mjp on non-suspect pipe cover	OMA	4 8 in.	O.D.	RS/R	26	III	\$193	\$113	\$306
	03-356689	10%						26	III			
	03-356690	10%						26	III			
west area-near ceiling	07-356702	30%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D.	DW	26	III	\$155	\$91	\$246
	07-356703	30%						26	III			
	07-356704	35%						26	III			
against south wall-above door	09-356708	30%	mjp on non-suspect pipe cover	OMA	2 8 in.	O.D.	HPS/R	26	III	\$96	\$57	\$153
	09-356709	50%						26	III			
	09-356710	20%						26	III			

AREA COMMENTS

The materials are in fair condition with localized contact and water damage. The materials are approximately 4' to 19' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$4,578 \$2,819 \$7,397

*****	AREA NUMBER: 02	AREA DESCRIPTION: Ground Level-Part 11	AREA AVERAGE % ASBESTOS: 4%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast area-above catwalk	08-356705	3%	pipe covering	OMA	25 ft. 12 in.	O.D.	RS/R	25	III	\$551	\$423	\$974

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	08-356706	10%	25 III	
	08-356707	0%	25 III	

AREA COMMENTS

AREA # 02 TOTAL \$551 \$423 \$974

The material is in good condition with minor contact damage. The material is approximately 3' to 16' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

***** AREA NUMBER: 03 AREA DESCRIPTION: 2nd Floor-Parts 10 & 11 AREA AVERAGE % ASBESTOS: 30% *****

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	8 ft.	4 in. O.D.	HPS/R	27	III	\$71	\$45	\$116
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	1 ft.	8 in. O.D.	HPS/R	27	III	\$14	\$10	\$24
part 11-locker rm-N wall & center of rm	00-356691	30%	pipe covering	OMA	40 ft.	10 in. O.D.	HPS/R	27	III	\$755	\$559	\$1,314
part 11-E side janitor's ofc-S rm-E wall	00-356691	30%	pipe covering	OMA	6 ft.	4 in. O.D.	HPS/R	27	III	\$54	\$33	\$87
part 10-break rm-N wall-next to AHU	00-356691	30%	pipe covering	OMA	1 ft.	4 in. O.D.	HPS/R	27	III	\$9	\$6	\$15
part 11-locker room-SW area of room	00-356691	30%	pipe covering	OMA	28 ft.	4 in. O.D.	HPS/R	27	III	\$250	\$156	\$406
part 11-locker rm-N wall & center of rm	04-356692	10%	mjp on pipe covering	OMA	3	10 in. O.D.	HPS/R	27	III	\$188	\$117	\$305
part 10-break rm-N wall-next to AHU	04-356692	10%	mjp on pipe covering	OMA	1	4 in. O.D.	HPS/R	27	III	\$28	\$16	\$44
part 11-locker room-SW area of room	04-356692	10%	mjp on pipe covering	OMA	10	4 in. O.D.	HPS/R	27	III	\$281	\$156	\$437
part 11-locker rm-N wall & center of rm	04-356692	10%	mjp on pipe covering	OMA	6	4 in. O.D.	HPS/R	27	III	\$169	\$94	\$263
	04-356693	15%							27 III			
	04-356694	70%							27 III			

AREA COMMENTS

AREA # 03 TOTAL \$1,819 \$1,192 \$3,011

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

***** AREA NUMBER: 04 AREA DESCRIPTION: 3rd Floor-Part 10-Blue Rm-Storage Area AREA AVERAGE % ASBESTOS: 35% *****

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
north & west walls	00-356695	30%	pipe covering	OMA	11 ft.	4 in. O.D.	HPS/R	26	III	\$98	\$61	\$159
north & west walls	00-356695	30%	pipe covering	OMA	32 ft.	12 in. O.D.	HPS/R	26	III	\$705	\$542	\$1,247
north & west areas-at ceiling	00-356695	30%	pipe covering	OMA	55 ft.	4 in. O.D.	HPS/R	26	III	\$491	\$307	\$798
north & west walls	05-356696	40%	mjp on pipe covering	OMA	2	12 in. O.D.	HPS/R	26	III	\$152	\$95	\$247
north & west walls	05-356696	40%	mjp on pipe covering	OMA	1	4 in. O.D.	HPS/R	26	III	\$28	\$16	\$44
north & west areas-at ceiling	05-356696	40%	mjp on pipe covering	OMA	14	4 in. O.D.	HPS/R	26	III	\$393	\$219	\$612

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	05-356697 35%		26 III
	05-356698 70%		26 III

AREA COMMENTS

AREA # 04 TOTAL \$1,867 \$1,240 \$3,107

The materials are in fair to good condition with localized contact damage. The materials are approximately 4' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a low traffic area.

*****	AREA NUMBER: 05	AREA DESCRIPTION: 3rd Floor-Part 10-Ceiling	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
old safety office	06-356699	0%	acoustical tile	OMG	200 sq.ft.							
	06-356700	0%										
	06-356701	0%										

AREA COMMENTS

AREA # 05 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 06	AREA DESCRIPTION: Ground Level-Part 12	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
shop area-N of staircase-above ceiling	00-356659	10%	wrapped cardboard/paper pipe	OMA	57 ft. 4 in.	O.D. DW	25	III		\$508	\$318	\$826
shop area-N of staircase-above ceiling	02-356685	45%	mjp on wrapped cardboard/paper	OMA	5 4 in.	O.D. DW	25	III		\$140	\$78	\$218
	02-356686	45%					25	III				
	02-356687	45%					25	III				
shop area-N of staircase-E center area	11-356663	0%	mjp on non-suspect pipe cover	OMA	2 4 in.	O.D. HPS/R						
	11-356664	0%										
	11-356665	0%										
shop area-N of staircase-SW corner	13-356670	30%	mjp on non-suspect pipe cover	OMA	3 6 in.	O.D. DW	25	III		\$116	\$68	\$184
	13-356671	30%					25	III				
	13-356672	50%					25	III				

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AREA COMMENTS

AREA # 06 TOTAL \$764 \$464 \$1,228

The materials are in good condition with minor contact and water damage. The materials are approximately 4' to 16' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.
NOTE: The mudded joint packings on wrapped cardboard domestic water lines were inaccessible, so the sample numbers have been referenced from the same type of material on domestic water lines that were sampled in buildings 10 and 11.

***** AREA NUMBER: 07 AREA DESCRIPTION: Ground Level-Part 12-Ceiling AREA AVERAGE % ASBESTOS: 0% *****

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
shop area-north of staircase	10-356656	0%	drop or lay-in panel	OMG	650 sq.ft.							
	10-356657	0%										
	10-356658	0%										

AREA COMMENTS

AREA # 07 TOTAL \$0 \$0 \$0

***** AREA NUMBER: 08 AREA DESCRIPTION: Ground Floor-Stairwell-Part 23 AREA AVERAGE % ASBESTOS: 56% *****

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
landing between 1st & 2nd floors-W end	00-356666	70%	pipe covering	OMA	24 ft. 4 in. O.D.	HPS/R	42	11		\$214	\$134	\$348
landing between 1st & 2nd floors-W end	12-356667	60%	mjp on pipe covering	OMA	24 4 in. O.D.	HPS/R	42	11		\$674	\$375	\$1,049
	12-356668	60%										
	12-356669	60%										
landing between 1st & 2nd floors-W end	13-356670	30%	mjp on non-suspect pipe cover	OMA	2 6 in. O.D.	DW	42	11		\$77	\$45	\$122
	13-356671	30%										
	13-356672	50%										

AREA COMMENTS

AREA # 08 TOTAL \$965 \$554 \$1,519

The materials are in fair condition with localized contact and water damage. The materials are approximately 1' to 9' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

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*****	AREA NUMBER: 09	AREA DESCRIPTION: 2nd Floor-Part 23	AREA AVERAGE % ASBESTOS: 40%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
landing at top of stairs-west end	00-356676	40%	pipe covering	OMA	18 ft.	12 in. O.D	HPS/R	25	III	\$396	\$305	\$701

AREA COMMENTS

The material is in good condition with minor contact and water damage. The material is approximately 3' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 09 TOTAL \$396 \$305 \$701

*****	AREA NUMBER: 10	AREA DESCRIPTION: Ground Fl-Part 12-Northeast Shop Area	AREA AVERAGE % ASBESTOS: 60%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
room along north wall-on small table	00-356680	60%	asbestos cloth	OMZ	13 linear feet			38	III	\$40	\$0	\$40

AREA COMMENTS

This material was found tattered and covered with oil. It is recommended that this material be removed.

AREA # 10 TOTAL \$40 \$0 \$40

*****	AREA NUMBER: 11	AREA DESCRIPTION: Ground Floor-Part 23-Stairwell	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
SW area-landing between 1st & 2nd floors	14-356673	0%	pipe covering	OMA	10 ft.	12 in. O.D	RS/R					
	14-356674	0%										
	14-356675	0%										

AREA COMMENTS

AREA # 11 TOTAL \$0 \$0 \$0

BUILDING # 10 TOTAL \$10,980 \$6,997 \$17,977